

A 16469

CENTRAL INTELLIGENCE AGENCY

This Document contains information affecting the National Defense of the United States, within the meaning of Title 18, Sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law. The reproduction of this form is prohibited.

INFORMATION REPORT

SECRET/CONTROL - U.S. OFFICIALS ONLY
SECURITY INFORMATION

50X1-HUM

COUNTRY Yugoslavia

REPORT

SUBJECT Hydroelectric Power Plants

DATE DISTR. 9 April 1953

NO. OF PAGES 1

DATE OF INFO.

REQUIREMENT NO. RD

PLACE ACQUIRED

REFERENCES

50X1-HUM

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

50X1-HUM

1. General situation of the Yugoslav electrical industry;
2. The hydroelectric central at Zvornik;
3. The hydroelectric central at Jablanica; and
4. Projects for the construction and expansion of various hydroelectric power plants throughout Yugoslavia.

Enclosures: 6 pages as listed above; 1 sketch.

50X1-HUM

SECRET/CONTROL - U.S. OFFICIALS ONLY

STATE	ARMY	NAVY	AIR	FBI	AEC	OCD	x		
-------	------	------	-----	-----	-----	-----	---	--	--

(Notes: Washington Distribution Indicated By "X", Field Distribution By "#") Form No. 51-61, January 1953

Situation of the Yugoslav Electrical Industry

U. S. OFFICIALS ONLY
SECURITY INFORMATION

It is the duty of the central (federal) Government - that is the Council of Ministers - to take care of the construction of the hydro-electric centrals (draft) for Energetics and Extractive Industry (Svet za energetiko in ekstraktivno industrijo) (FNRJ) in Belgrade - to make the projects of hydro-electric centrals, while the States (Republics) have to take care of the financing and the construction of the centrals in question.

The continuation of the construction of but a few of those centrals is assured for 1953; they are :

in Serbia :	the Central of Vlasina
	" " " Zvornik
in Croatia :	" " " Vinodol
	" " " Peruca (on the Cetina river, at 12 kilometers above Sinj)
in Slovenia :	" " " Wuzenica
	" " " Wuhred (at 7 km. from the mouth of the Wuzenica river into the Drava river - the works have barely began)
in Bosnia :	" " " Jablanica
	" " " Jajce II

SECRET CONTROL
U. S. OFFICIALS ONLY

SECRET CONTROL
U. S. OFFICIALS ONLY

SECURITY INFORMATION

11

in Macedonia : the Central of Marovo
in Montenegro : " " " Cornja Zeta

The Central of Medvode on the Sava river - in Slovenia - is being finished; however, the machinery is not yet complete.

Only earth works or measurements are under way in all the other hydro-electric centrals.

In spite of the intense propaganda, the Ministry had to admit that the production of electric power was increased only 4 %, from 1951 to 1952.

In 1952, the production of electric power reached 160 milliards (~~billions~~) kw.

The whole question concerning the electrification of Yugoslavia and the creation of the related administration is puffed up with pride by the Yugoslav Government with noisy propaganda, for ideological reasons.

However, the effective results are rather miserable, because of the catastrophic lack of skilled personnel, material, and technical equipment.

SECRET CONTROL
U. S. OFFICIALS ONLY

SECRET CONTROL
U. S. OFFICIALS ONLY

12

G) Subject: Hydro-Electric Central of Zvornik

50X1-HUM

The hydro-electric central of Zvornik was projected in 1946, and had to be completed in the course of 1952, according to the Five-Year Plan; however, the works are still in the second stage (sic), and the central can only be ready in a couple of years.

The central is located on the Drina river, south of the town Zvornik, near the village Mali (Small) Zvornik.

The works are executed by brigades of young volunteers, by the enterprise "Hidrogradnja" ("Hydro-Constructions") of Belgrade. Two German made dredging machines are used for the earth excavations (Tr.rem.: May be some kind of bulldozers). The technical projects on the working ground are executed by the "Drina" squad (sic), which belongs to the mentioned enterprise of Belgrade.

The chief engineer is ing. Sava Atanacković of Belgrade, and the director is Petar Munjaš.

During the past fall, because of rampaging ~~floods~~, there were grave damages concerning the construction material and the machinery as well as on the road and the bridges along the Drina river.

The machinery of the central will be manufactured by the factory "Rade Končar" of Zagreb; one of the generators will be 30,000 kw. strong.

SECRET CONTROL
U. S. OFFICIALS ONLY

SECRET CONTROL
U. S. OFFICIALS ONLY

13

H) Subject: Hydro-Electric Central of Jablanica

50X1-HUM

The construction of the hydro-electric central of Jablanica was projected in 1946; the work begun in 1948, and had to be completed in 1951, according to the Five-Year Plan.

This is one of the 17 centrals projected in the region (basin) of the Neretva river, and the only one built so far. The one located on the north, on the Rama river - which is an affluent (a tributary stream) of the Neretva - is in the first stage of construction.

The construction is damaged regularly every year by the rampaging floods, especially during the past two years, when part of the machinery and the material were lost. One of the most sensitive spots is the underground gallery (tunnel) situated near Papraško, where the material is unloaded; this year it was flooded. The dike has to be 70 m. high, and form a lake of 14 square kilometers; this dike is now 55 m. high.

The works are mainly executed during the summer, by the so called youth brigades of volunteers.

From 1952, the construction of hydro-electric centrals is not any more executed by the central (federal) Government of Belgrade, but by the States (Republics),

SECRET CONTROL
U. S. OFFICIALS ONLY

SECRET CONTROL
U. S. OFFICIALS ONLY

14

that is the Administrative Council for Electric Power (sic).

The technical works in Jablanica are executed by the enterprise "Hidrogradnja" ing. and they are managed by Danilo Protić of Belgrade. The calculations of the projects and the technical proofs (sic) are made by the enterprise "Idroenergetika" ("Hydro-Energetics") of Belgrade, Bulvar (Street) Vojvode Mišića nr. 41, which belongs to ing. Jaroslav Černi.

The following personnel is employed on the works :

ing. Vujica Jevdjević,

ing. Bogić Knežević, and others.

The specialist for the dike is ing. Miladin Protić, of the Technical Superior School of Belgrade (Tr.rem.: Probably a professor).

Other specialists for dikes in other hydro-electric centrals are ing. Dragan Carić and ing. Erwin Neuweiler.

The hydro-electric central of Jablanica is located right under the mouth of the Rama river into the Neretva river. The waters were regulated with dikes, but (in spite of that) just the same/there were grave damages because of floods, during the last fall.

The director of the construction works is Zvonko Djako.

The central is expected to furnish 758 million kw. per year.

There will be three large turbines of a diameter of 10 m. each; one of them should be almost completed by now by the factory "Litostroj" of Ljubljana, and it should be about 30,000 PS (sic - I do not know what for stands this abbreviation; the Webster does not list it, and I have not yet got my "Melzi" dictionary); the other two turbines shall also be manufactured by the mentioned factory. The factory

SECRET CONTROL
U. S. OFFICIALS ONLY

SECRET CONTROL
U. S. OFFICIALS ONLY

15

"Bede Rončar" of Zagreb has also ^{to} do some work for the Jablanica central.

As far as can be judged by the present situation of the construction, the central could be completed in two more years.

To the end to utilize the waters of the Neretva basin, 17 hydro-electric centrals were projected. Actually, only the one of Jablanica, and partly the one of Rama are being built.

The central of Rama has no dike, but the steepness of the river will be used by conveying the water to the turbines through an underground tunnel (see enclosed sketch).

The Jablanica central will have a dike 70 m. high, which is now 2/3 completed. Jablanica shall have a capacity of 130,000 kw., and Rama 130,000 kw.

The other projected centrals ^{shall} have an average capacity of 40,000 kw.

As was already said, the Jablanica central could be - at best - completed within two or three years. The one of Rama shall take more time.

The construction of the other centrals is only a matter of propaganda, because they can never be built. (sic)

The whole system of centrals was projected by ingr. Vujica Jevdjević.

SECRET CONTROL
U. S. OFFICIALS ONLY

SECRET CONTROL
U. S. OFFICIALS ONLY

SECURITY INFORMATION

16

The Basin of the Neretva River with the
Projected 17 Hydro-Electric Centrals



SECRET CONTROL
U. S. OFFICIALS ONLY